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NEWS	2	Apr 08	"Ask CAS" for self-help around the clock
NEWS	3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS	4	Apr 09	ZDB will be removed from STN
NEWS	5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS	6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS	7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS	8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS	9	Jun 03	New e-mail delivery for search results now available
NEWS	10	Jun 10	MEDLINE Reload
NEWS	11	Jun 10	PCTFULL has been reloaded
NEWS	12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS	13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS	14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS	15	Jul 30	NETFIRST to be removed from STN
NEWS	16	Aug 08	CANCERLIT reload
NEWS	17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	18	Aug 08	NTIS has been reloaded and enhanced
NEWS	19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS	21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS	22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	23	Sep 03	JAPIO has been reloaded and enhanced
NEWS	24	Sep 16	Experimental properties added to the REGISTRY file
NEWS	25	Sep 16	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS	26	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	27	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	28	Oct 21	EVENTLINE has been reloaded
NEWS	29	Oct 24	BEILSTEIN adds new search fields
NEWS	30	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	31	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS	32	Nov 18	DKILIT has been renamed APOLLIT
NEWS	33	Nov 25	More calculated properties added to REGISTRY
NEWS	34	Dec 02	TIBKAT will be removed from STN
NEWS	35	Dec 04	CSA files on STN
NEWS	36	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	37	Dec 17	TOXCENTER enhanced with additional content
NEWS	38	Dec 17	Adis Clinical Trials Insight now available on STN

NEWS 39 Dec 30 ISMEC no longer available

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,
CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
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L1 48 CYTOCHROME AND DESATURASE AND FUSION

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=> d l2 1-10

L2 ANSWER 1 OF 27 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
1
AN 2002:392645 BIOSIS
DN PREV200200392645

TI A third fatty acid DELTA9- ***desaturase*** from *Mortierella alpina*
 with a different substrate specificity to ole1p and ole2p.
 AU MacKenzie, Donald A. (1); Carter, Andrew T.; Wongwathanarat, Prasert;
 Eagles, John; Salt, Joanne; Archer, David B.
 CS (1) Institute of Food Research, Norwich Research Park, Colney, Norwich,
 NR4 7UA: donald.mackenzie@bbsrc.ac.uk UK
 SO Microbiology (Reading), (June, 2002) Vol. 148, No. 6, pp. 1725-1735.
 print.
 ISSN: 1350-0872.
 DT Article
 LA English

L2 ANSWER 2 OF 27 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 2002:607983 BIOSIS
 DN PREV200200607983
 TI Altering specificity of a *Ricinus communis* ***cytochrome*** b5
 fusion ***desaturase*** .
 AU Michaelson, L. V. (1); Napier, J. A. (1)
 CS (1) Long Ashton Research Station, IACR, Long Ashton, Bristol, BS41 9AF UK
 SO Biochemical Society Transactions, (2002) Vol. 30, No. 5, pp. A123. print.
 Meeting Info.: Biochemical Society 677th Meeting Wales, Cardiff, UK
 December 07-10, 2002
 ISSN: 0300-5127.
 DT Conference
 LA English

L2 ANSWER 3 OF 27 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 2002:607900 BIOSIS
 DN PREV200200607900
 TI Altering specificity of a *Ricinus communis* ***cytochrome*** b5
 fusion ***desaturase*** .
 AU Michaelson, L. V. (1); Napier, J. A. (1)
 CS (1) Long Ashton Research Station, IACR, Long Ashton, Bristol, BS41 9AF UK
 SO Biochemical Society Transactions, (2002) Vol. 30, No. 5, pp. A102. print.
 Meeting Info.: Biochemical Society 677th Meeting Wales, Cardiff, UK
 December 07-10, 2002
 ISSN: 0300-5127.
 DT Conference
 LA English

L2 ANSWER 4 OF 27 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:780962 CAPLUS
 DN 135:340221
 TI Differentially expressed nucleic acids and their encoded proteins for the
 therapy and diagnosis of human breast cancer
 IN Jiang, Yuqiu; Dillon, Davin C.; Mitcham, Jennifer L.; Xu, Jiangchun;
 Harlocker, Susan L.; Hepler, William T.
 PA Corixa Corporation, USA
 SO PCT Int. Appl., 297 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 8

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	WO 2001079286	A2	20011025	WO 2001-US12164	20010412
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				

CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,
 HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
 LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,
 RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ,
 VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 2002064872 A1 20020530 US 2000-604287 20000622
 PRAI US 2000-551621 A 20000417
 US 2000-590751 A 20000608
 US 2000-604287 A 20000622
 US 2000-620405 A 20000720

L2 ANSWER 5 OF 27 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:43345 CAPLUS
 DN 136:319709
 TI Transcriptional profiling reveals global defects in energy metabolism,
 lipoprotein, and bile acid synthesis and transport with reversal by leptin
 treatment in Ob/ob mouse liver
 AU Liang, Chien-Ping; Tall, Alan R.
 CS Division of Molecular Medicine, Department of Medicine, Columbia
 University, New York, NY, 10032, USA
 SO Journal of Biological Chemistry (2001), 276(52), 49066-49076
 CODEN: JBCHA3; ISSN: 0021-9258
 PB American Society for Biochemistry and Molecular Biology
 DT Journal
 LA English
 RE.CNT 56 THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 6 OF 27 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:473659 CAPLUS
 DN 135:205729
 TI Microarray analysis of the in vivo effects of hypophysectomy and growth
 hormone treatment on gene expression in the rat
 AU Flores-Morales, Amilcar; Stahlberg, Nina; Tollet-Egnell, Petra; Lundeborg,
 Joakim; Malek, Renae L.; Quackenbush, John; Lee, Norman H.; Norstedt,
 Gunnar
 CS Department of Molecular Medicine, Karolinska Institute, Stockholm, 17176,
 Swed.
 SO Endocrinology (2001), 142(7), 3163-3176
 CODEN: ENDOAO; ISSN: 0013-7227
 PB Endocrine Society
 DT Journal
 LA English
 RE.CNT 92 THERE ARE 92 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 7 OF 27 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:312014 CAPLUS
 DN 136:64938
 TI Toward elucidating the global gene expression patterns of developing
 Arabidopsis: parallel analysis of 8 300 genes by a high-density
 oligonucleotide probe array
 AU Zhu, Tong; Budworth, Paul; Han, Bin; Brown, Devon; Chang, Hur-Song; Zou,
 Guangzhou; Wang, Xun

CS Torrey Mesa Research Institute, Inc., San Diego, CA, 92121, USA
SO Plant Physiology and Biochemistry (Paris, France) (2001), 39(3-4), 221-242
CODEN: PPBIEX; ISSN: 0981-9428
PB Editions Scientifiques et Medicales Elsevier
DT Journal
LA English

RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 8 OF 27 CAPLUS COPYRIGHT 2003 ACS

AN 2000:241512 CAPLUS

DN 132:262126

TI Fatty acid ***desaturases*** of Mortierella and the genes encoding
them and their use in the preparation of polyunsaturated fatty acids for
food use

IN Mukerji, Pradip; Huang, Yung-Sheng; Parker-Barnes, Jennifer M.; Das, Tapas
PA Abbott Laboratories, USA

SO PCT Int. Appl., 170 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	WO 2000020602	A2	20000413	WO 1999-US22686	19990929
	WO 2000020602	A3	20000817		
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
PRAI	US 1998-103110P	P	19981005		

L2 ANSWER 9 OF 27 CAPLUS COPYRIGHT 2003 ACS

AN 2000:53889 CAPLUS

DN 132:103752

TI Expression constructs for use in plant plastids using ribosome binding
sites that increase the efficiency of translation

IN McBride, Kevin E.; Staub, Jeffrey M.

PA Calgene LLC, USA

SO PCT Int. Appl., 55 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	WO 2000003017	A2	20000120	WO 1999-US15713	19990708
	WO 2000003017	A3	20000706		
	W:	CA, JP, MX			
	RW:	AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE			
	US 6271444	B1	20010807	US 1998-113690	19980710

CA 2333308 AA 20000120 CA 1999-2333308 19990708
 EP 1095144 A2 20010502 EP 1999-933908 19990708
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, FI
 JP 2002520022 T2 20020709 JP 2000-559238 19990708
 PRAI US 1998-113690 A 19980710
 WO 1999-US15713 W 19990708

L2 ANSWER 10 OF 27 CAPLUS COPYRIGHT 2003 ACS

AN 2000:645718 CAPLUS

DN 133:248062

TI Human fatty acid ***desaturases*** and cDNAs and their use in
 diagnosis and therapy

IN Weber, Bernhard H. F.; Marquardt, Andreas

PA Multigene Biotech G.m.b.H., Germany

SO Eur. Pat. Appl., 72 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1035207	A1	20000913	EP 1999-104664	19990309
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	WO 2000053770	A1	20000914	WO 2000-EP1979	20000307
	W: AE, AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CR, CU, CZ, DM, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MA, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, TZ, UA, US, UZ, VN, YU, ZA				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

PRAI EP 1999-104664 A 19990309

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 11-20

L2 ANSWER 11 OF 27 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
 2

AN 2001:185829 BIOSIS

DN PREV200100185829

TI Further characterization of DELTA8-sphingolipid ***desaturases*** from
 higher plants.

AU Sperling, P.; Blume, A.; Zaehring, U.; Heinz, E. (1)

CS (1) Institut fuer Allgemeine Botanik, Universitaet Hamburg, Ohnhorststr.
 18, 22609, Hamburg: eheinz@botanik.uni-hamburg.de Germany

SO Biochemical Society Transactions, (December, 2000) Vol. 28, No. 6, pp.
 638-641. print.

ISSN: 0300-5127.

DT Article

LA English

SL English

L2 ANSWER 12 OF 27 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE

- AN 2001:186330 BIOSIS
DN PREV200100186330
TI Mutagenesis of the borage DELTA6 fatty acid ***desaturase***
AU Sayanova, O.; Beaudoin, F.; Libisch, B.; Shewry, P.; Napier, J. (1)
CS (1) IACR-Long Ashton Research Station, Department of Agricultural
Sciences, University of Bristol, Long Ashton, Bristol, BS41 9AF:
olga.sayanova@bbsrc.ac.uk UK
SO Biochemical Society Transactions, (December, 2000) Vol. 28, No. 6, pp.
636-638. print.
ISSN: 0300-5127.
DT Article
LA English
SL English
- L2 ANSWER 13 OF 27 CAPLUS COPYRIGHT 2003 ACS
AN 2000:548840 CAPLUS
DN 133:146377
TI Fatty acid desaturation system and ***fusion*** enzyme
AU Aki, Tsunehiro; Ono, Kazuhisa; Suzuki, Osamu
CS Grad. Sch. Adv. Sci. Matter, Hiroshima Univ., Japan
SO Kagaku to Seibutsu (2000), 38(8), 520-527
CODEN: KASEAA; ISSN: 0453-073X
PB Gakkai Shuppan Senta
DT Journal; General Review
LA Japanese
- L2 ANSWER 14 OF 27 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
4
AN 2000:346816 BIOSIS
DN PREV2000000346816
TI cDNA cloning, genomic structure, and chromosomal localization of three
members of the human fatty acid ***desaturase*** family.
AU Marquardt, Andreas; Stoehr, Heidi; White, Karen; Weber, Bernhard H. F. (1)
CS (1) Biozentrum, Institut fuer Humangenetik, Am Hubland, D-97074, Wuerzburg
Germany
SO Genomics, (June, 2000) Vol. 66, No. 2, pp. 175-183. print.
ISSN: 0888-7543.
DT Article
LA English
SL English
- L2 ANSWER 15 OF 27 CAPLUS COPYRIGHT 2003 ACS
AN 2000:64278 CAPLUS
DN 132:247747
TI Mammalian .DELTA.-6 fatty acid ***desaturase*** : molecular cloning and
physiological significance
AU Aki, Tsunehiro; Ono, Kazuhisa; Suzuki, Osamu
CS Department of Molecular Biotechnology, Graduate School of Advanced
Sciences of Matter, Hiroshima University, Kagamiyama, Higashi-Hiroshima-
shi, Hiroshima-ken, 739-8527, Japan
SO Nihon Yukagakkaishi (2000), 49(1), 3-10
CODEN: NIYUFC; ISSN: 1341-8327
PB Nihon Yukagaku Gakkai
DT Journal; General Review
LA Japanese

L2 ANSWER 16 OF 27 CAPLUS COPYRIGHT 2003 ACS
 AN 1999:673070 CAPLUS
 DN 131:307676
 TI Method of producing plants which are tolerant or resistant to herbicides
 that inhibit 4-Hydroxyphenylpyruvate dioxygenase
 IN Shipton, Catherine Ann; Bryan, Ian Bennett
 PA Zeneca Limited, UK
 SO PCT Int. Appl., 24 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9953081	A1	19991021	WO 1999-GB1059	19990407
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG CA 2321965 AA 19991021 CA 1999-2321965 19990407 AU 9934298 A1 19991101 AU 1999-34298 19990407 BR 9909501 A 20001212 BR 1999-9501 19990407 EP 1078084 A1 20010228 EP 1999-915871 19990407 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI JP 2002511274 T2 20020416 JP 2000-543628 19990407 PRAI GB 1998-7818 A 19980409 WO 1999-GB1059 W 19990407				
RE.CNT	6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L2 ANSWER 17 OF 27 AGRICOLA DUPLICATE 5
 AN 2000:46448 AGRICOLA
 DN IND22045086
 TI Two fatty acid delta9- ***desaturase*** genes, ole1 and ole2, from
 Mortierella alpina complement the yeast ole1 mutation.
 AU Wongwathanarat, P.; Michaelson, L.V.; Carter, A.T.; Lazarus, C.M.;
 Griffiths, G.; Stobart, A.K.; Archer, D.B.; MacKenzie, D.A.
 CS Institute of Food Research, Norwich, UK.
 SO Microbiology, Oct 1999. Vol. 145, No. pt.10. p. 2939-2946
 Publisher: Reading, U.K. : Society for General Microbiology, c1994-
 CODEN: MROBEO; ISSN: 1350-0872
 NTE Includes references
 CY England; United Kingdom
 DT Article
 FS Non-U.S. Imprint other than FAO
 LA English

L2 ANSWER 18 OF 27 AGRICOLA
 AN 1999:34103 AGRICOLA
 DN IND21982410
 TI A growing family of ***cytochrome*** b5-domain ***fusion***

proteins.

AU Napier, J.A.; Sayanova, O.; Sperling, P.; Heinz, E.
CS University of Bristol, Long Ashton, Bristol, UK.
AV DNAL (QK1.T74)
SO Trends in plant science, Jan 1999. Vol. 4, No. 1. p. 2-4
Publisher: Kidlington, Oxford : Elsevier Science, Ltd., c1996-
ISSN: 1360-1385
NTE Includes references
CY England; United Kingdom
DT Article
FS Non-U.S. Imprint other than FAO
LA English

L2 ANSWER 19 OF 27 AGRICOLA DUPLICATE 6
AN 1999:10832 AGRICOLA
DN IND21963594
TI A sphingolipid ***desaturase*** from higher plants. Identification of
a new ***cytochrome*** b5 ***fusion*** protein.
AU Sperling, P.; Zahringer, U.; Heinz, E.
CS Universitat Hamburg, Hamburg, Germany.
AV DNAL (381 J824)
SO The Journal of biological chemistry, Oct 30, 1998. Vol. 273, No. 44. p.
28590-28596
Publisher: Bethesda, Md. : American Society for Biochemistry and Molecular
Biology.
CODEN: JBCHA3; ISSN: 0021-9258
NTE Includes references
CY Maryland; United States
DT Article
FS U.S. Imprints not USDA, Experiment or Extension
LA English

L2 ANSWER 20 OF 27 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1998:338414 BIOSIS
DN PREV199800338414
TI ***Cytochrome*** b5 ***fusion*** proteins: A new class of higher
plant fatty acid ***desaturases*** .
AU Napier, J. A. (1); Sayanova, O. (1); Lacey, D. J. (1); Beaudoin, F.;
Shewry, P. R. (1); Stobart, A. K.
CS (1) IACR-Long Ashton Res. Station, Bristol UK
SO Journal of Experimental Botany, (May, 1998) Vol. 49, No. SUPPL., pp. 15.
Meeting Info.: The Society for Experimental Biology Annual Meeting London,
England, UK March 22-27, 1998 Society for Experimental Biology
. ISSN: 0022-0957.
DT Conference
LA English

=> d 12 20-27

L2 ANSWER 20 OF 27 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1998:338414 BIOSIS
DN PREV199800338414
TI ***Cytochrome*** b5 ***fusion*** proteins: A new class of higher
plant fatty acid ***desaturases*** .
AU Napier, J. A. (1); Sayanova, O. (1); Lacey, D. J. (1); Beaudoin, F.;
Shewry, P. R. (1); Stobart, A. K.

CS (1) IACR-Long Ashton Res. Station, Bristol UK
SO Journal of Experimental Botany, (May, 1998) Vol. 49, No. SUPPL., pp. 15.
Meeting Info.: The Society for Experimental Biology Annual Meeting London,
England, UK March 22-27, 1998 Society for Experimental Biology
. ISSN: 0022-0957.

DT Conference
LA English

L2 ANSWER 21 OF 27 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 1998:46304 BIOSIS

DN PREV199800046304

TI A new class of ***cytochrome*** b5 ***fusion*** proteins.

AU Napier, Johnathan A. (1); Sayanova, Olga; Stobart, A. Keith; Shewry, Peter R.

CS (1) IACR-Long Ashton Res. Station, Dep. Agricultural Sci., Univ. Bristol,
Long Ashton, Bristol BS18 9AF UK

SO Biochemical Journal, (Dec. 1, 1997) Vol. 328, No. 2, pp. 717-718.
ISSN: 0264-6021.

DT Letter; Article
LA English

L2 ANSWER 22 OF 27 AGRICOLA

DUPLICATE 7

AN 1998:31359 AGRICOLA

DN IND20815362

TI Fahlp, a *Saccharomyces cerevisiae* ***cytochrome*** b5 ***fusion***
protein, and its *Arabidopsis thaliana* homolog that lacks the
cytochrome b5 domain both function in the alpha-hydroxylation of
sphingolipid-associated very long chain fatty acids.

AU Mitchell, A.G.; Martin, C.E.

AV DNAL (381 J824)

SO The Journal of biological chemistry, Nov 7, 1997. Vol. 272, No. 45. p.
28281-28288

Publisher: Bethesda, Md. : American Society for Biochemistry and Molecular
Biology.

CODEN: JBCHA3; ISSN: 0021-9258

NTE Includes references

CY Maryland; United States

DT Article

FS U.S. Imprints not USDA, Experiment or Extension

LA English

L2 ANSWER 23 OF 27 CAPLUS COPYRIGHT 2003 ACS

AN 1997:805379 CAPLUS

DN 128:164157

TI A new class of ***cytochrome*** b5 ***fusion*** proteins

AU Napier, Johnathan A.; Sayanova, Olga; Stobart, A. Keith; Shewry, Peter R.

CS IACR-Long Ashton Research Station, Department of Agricultural Sciences,
University of Bristol, Long Ashton, BS18 9AF, UK

SO Biochemical Journal (1997), 328(2), 717-718

CODEN: BIJOAK; ISSN: 0264-6021

PB Portland Press Ltd.

DT Journal; General Review

LA English

L2 ANSWER 24 OF 27 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
8

AN 1995:499902 BIOSIS

DN PREV199598523452
 TI A ***cytochrome*** -b-5-containing ***fusion*** protein similar to
 plant acyl lipid ***desaturases***
 AU Sperling, Petra; Schmidt, Hermann; Heinz, Ernst (1)
 CS (1) Inst. Allgemeine Botanik, Univ. Hamburg, Ohnhorststr. 18, D-22609
 Hamburg Germany
 SO European Journal of Biochemistry, (1995) Vol. 232, No. 3, pp. 798-805.
 ISSN: 0014-2956.
 DT Article
 LA English

L2 ANSWER 25 OF 27 EMBASE COPYRIGHT 2003 ELSEVIER SCI. B.V.
 AN 94341510 EMBASE
 DN 1994341510
 TI Suppression of the hydrazine-induced formation of megamitochondria in the
 rat liver by .alpha.-tocopherol.
 AU Antosiewicz J.; Nishizawa Y.; Liu X.; Usukura J.; Wakabayashi T.
 CS Department of Bioenergetics, Academy of Physical Education, Wiejska
 1,80-336 Gdansk-Oliwa, Poland
 SO Experimental and Molecular Pathology, (1994) 60/3 (173-187).
 ISSN: 0014-4800 CODEN: EXMPA6
 CY United States
 DT Journal; Article
 FS 005 General Pathology and Pathological Anatomy
 029 Clinical Biochemistry
 048 Gastroenterology
 052 Toxicology
 037 Drug Literature Index
 LA English
 SL English

L2 ANSWER 26 OF 27 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
 9
 AN 1991:49043 BIOSIS
 DN BA91:27324
 TI THE OLE1 GENE OF SACCHAROMYCES-CEREVISIAE ENCODES THE DELTA-9 FATTY ACID
 DESATURASE AND CAN BE FUNCTIONALLY REPLACED BY THE RAT STEAROYL
 COENZYME A ***DESATURASE*** GENE.
 AU STUKEY J E; MCDONOUGH V M; MARTIN C E
 CS NELSON BIOL. LAB., BUREAU BIOL. RES., RUTGERS UNIVERSITY, BUSCH CAMPUS,
 PISCATAWAY, N.J. 08855-1059.
 SO J BIOL CHEM, (1990) 265 (33), 20144-20149.
 CODEN: JBCHA3. ISSN: 0021-9258.
 FS BA; OLD
 LA English

L2 ANSWER 27 OF 27 CAPLUS COPYRIGHT 2003 ACS
 AN 1979:182260 CAPLUS
 DN 90:182260
 TI The role of lipid in stearyl CoA desaturation
 AU Holloway, P. W.; Roseman, M.; Calabro, A.
 CS Dep. Biochem., Univ. Virginia, Charlottesville, VA, USA
 SO Advances in Experimental Medicine and Biology (1977), 83(Funct. Biosynth.
 Lipids), 23-33
 CODEN: AEMBAP; ISSN: 0065-2598
 DT Journal
 LA English

=> d 20-24 ab

L2 ANSWER 20 OF 27 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

L2 ANSWER 21 OF 27 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

L2 ANSWER 22 OF 27 AGRICOLA DUPLICATE 7

L2 ANSWER 23 OF 27 CAPLUS COPYRIGHT 2003 ACS

AB Database searches and review of the literature reveal a new class of
cytochrome b5 domain-contg. redox active enzymes. Examples
include fatty acid .DELTA.6- ***desaturase*** , L-lactate dehydrogenase,
nitrate reductase, fatty acid .DELTA.9- ***desaturase*** , and ceramide
hydroxylase. Direct and genetic complementation expts. suggest that the
cytochrome b5 domain is a functional redox active heme binding
site.

L2 ANSWER 24 OF 27 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
8

AB The similarity between oleate and linoleate ***desaturase*** sequences
from several plants was used to construct degenerate oligonucleotide
primers for PCR experiments with cDNA transcribed from mRNA of ripening
sunflower embryos. A DNA fragment was amplified and sequenced. Specific
primers derived from this partial sequence were used for rapid
amplification of the 3'- and 5'-ends of this cDNA. With appropriate
primers derived from these sequences, a full-length clone of 1377 bp was
amplified by PCR which, after sequencing, showed an open reading frame of
458 amino acids corresponding to a putative protein of about 52 kDa.
Comparison with other ***desaturases*** showed the conserved three
histidine boxes and the characteristic hydropathy profile of
membrane-bound ***desaturases*** , but the amino acid identity was
restricted to 18% and the N-terminal region was about 100 amino acids
longer. This N-terminal extension showed high similarity with
cytochrome b, and, accordingly, the whole sequence can be
considered as coding for a ***fusion*** protein between
cytochrome b, and a ***desaturase*** -like enzyme.

Furthermore,

we detected a similar ***cytochrome*** b, fold in the previously
sequenced DELTA-9 acyl-CoA ***desaturase*** from yeast, but in this
enzyme it was located at the C-terminus. An alignment of these
fusion proteins with other heme-binding proteins revealed
desaturases to be novel members of the ***cytochrome*** b,
superfamily. A truncated DNA representing 366 bp of the 5'-end was
amplified from the cDNA clone and expressed in Escherichia coli. The
truncated cDNA coded for a soluble protein of about 12 kDa as shown by
SDS/PAGE and N-terminal sequencing. The enriched recombinant protein
exhibited redox absorbance spectra characteristic of plant microsomal
cytochrome b-5.

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NEWS	5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS	6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS	7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS	8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS	9	Jun 03	New e-mail delivery for search results now available
NEWS	10	Jun 10	MEDLINE Reload
NEWS	11	Jun 10	PCTFULL has been reloaded
NEWS	12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS	13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS	14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS	15	Jul 30	NETFIRST to be removed from STN
NEWS	16	Aug 08	CANCERLIT reload
NEWS	17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	18	Aug 08	NTIS has been reloaded and enhanced
NEWS	19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS	21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS	22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	23	Sep 03	JAPIO has been reloaded and enhanced
NEWS	24	Sep 16	Experimental properties added to the REGISTRY file
NEWS	25	Sep 16	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS	26	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	27	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	28	Oct 21	EVENTLINE has been reloaded
NEWS	29	Oct 24	BEILSTEIN adds new search fields
NEWS	30	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	31	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS	32	Nov 18	DKILIT has been renamed APOLLIT
NEWS	33	Nov 25	More calculated properties added to REGISTRY
NEWS	34	Dec 02	TIBKAT will be removed from STN
NEWS	35	Dec 04	CSA files on STN
NEWS	36	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	37	Dec 17	TOXCENTER enhanced with additional content

NEWS 38 Dec 17 Adis Clinical Trials Insight now available on STN
NEWS 39 Dec 30 ISMEC no longer available

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,
CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
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=> s codon(w)optimization and plant

L1 12 CODON(W) OPTIMIZATION AND PLANT

=> s l1 and problem

L2 0 L1 AND PROBLEM

=> duplicate remove l1

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PROCESSING COMPLETED FOR L1

L3 9 DUPLICATE REMOVE L1 (3 DUPLICATES REMOVED)

=> d l3 1-9

L3 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:869043 CAPLUS
 DN 137:366673
 TI Transgenic ***plants*** carrying a foreign anthranilate synthase gene
 with increased tissue tryptophan content
 IN Weaver, Lisa M.; Liang, Jihong; Chen, Ridong; Jeong, Soon Seog; Mitsky,
 Timothy; Slater, Steven; Rapp, William
 PA Renessen LLC, USA; Monsanto Company
 SO PCT Int. Appl., 291 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002090497	A2	20021114	WO 2002-US14207	20020503
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	US 2001-288904P	P	20010504		

L3 ANSWER 2 OF 9 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 2002:502153 BIOSIS
 DN PREV200200502153
 TI Gene optimization is necessary to express a bivalent anti-human anti-T
 cell immunotoxin in Pichia pastoris.
 AU Woo, Jung Hee; Liu, Yuan Yi; Mathias, Askale; Stavrou, Scott; Wang,
 Zhirui; Thompson, Jerry; Neville, David M., Jr. (1)
 CS (1) Section on Biophysical Chemistry, Laboratory of Molecular Biology,
 National Institute of Mental Health, 36 Convent Drive, 36 RM 1B08,
 Bethesda, MD, 20892-4034: davidn@helix.nih.gov USA
 SO Protein Expression and Purification, (July, 2002) Vol. 25, No. 2, pp.
 270-282. <http://www.academicpress.com/pep>. print.
 ISSN: 1046-5928.
 DT Article
 LA English

L3 ANSWER 3 OF 9 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 2002:166349 BIOSIS
 DN PREV200200166349
 TI Genetically engineered human salivary histatin genes are functional in
 Candida albicans: Development of a new system for studying histatin
 candidacidal activity.
 AU Baev, Didi; Li, Xuewei; Edgerton, Mira (1)
 CS (1) Departments of Oral Biology, School of Dental Medicine, State
 University of New York at Buffalo, 3435 Main Street, Main Street Campus,
 Buffalo, NY, 14214: edgerto@buffalo.edu USA
 SO Microbiology (Reading), (December, 2001) Vol. 147, No. 12, pp. 3323-3334.
 print.
 ISSN: 1350-0872.

DT Article
 LA English

L3 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:724310 CAPLUS
 DN 136:2680
 TI Production of the Gram-positive *Sarcina ventriculi* pyruvate decarboxylase in *Escherichia coli*
 AU Talarico, Lee A.; Ingram, Lonnie O.; Maupin-Furlow, Julie A.
 CS Department of Microbiology and Cell Science, University of Florida, Gainesville, FL, 32611-0700, USA
 SO Microbiology (Reading, United Kingdom) (2001), 147(9), 2425-2435
 CODEN: MROBEO; ISSN: 1350-0872
 PB Society for General Microbiology
 DT Journal
 LA English

RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 9 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 2000:387637 BIOSIS
 DN PREV200000387637
 TI Optimizing heterologous expression in *Dictyostelium*: Importance of 5' codon adaptation.
 AU Vervoort, Elisa B.; van Ravestein, Arno; van Peij, Noel N. M. E.; Heikoop, Judith C.; van Haastert, Peter J. M.; Verheijden, Gijs F.; Linskens, Maarten H. K. (1)
 CS (1) Cell Engineering Facility GBB, University of Groningen, Nijenborgh 4, 9747 AG, Groningen Netherlands
 SO Nucleic Acids Research, (May 15, 2000) Vol. 28, No. 10, pp. 2069-2074. print.
 ISSN: 0305-1048.
 DT Article
 LA English
 SL English

L3 ANSWER 6 OF 9 AGRICOLA DUPLICATE 1
 AN 2001:870 AGRICOLA
 DN IND22072392
 TI The production of recombinant proteins in transgenic barley grains.
 AU Horvath, H.; Huang, J.; Wong, O.; Kohl, E.; Okita, T.; Kannangara, C.G.; Von Wettstein, D.
 SO Proceedings of the National Academy of Sciences of the United States of America, Feb 15, 2000. Vol. 97, No. 4. p. 1914-1919
 Publisher: Washington, D.C. : National Academy of Sciences,
 CODEN: PNASA6; ISSN: 0027-8424
 NTE Includes references
 CY District of Columbia; United States
 DT Article; Conference
 FS U.S. Imprints not USDA, Experiment or Extension
 LA English

L3 ANSWER 7 OF 9 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 2000:418353 BIOSIS
 DN PREV200000418353
 TI ***Codon*** optimization*** of xylanase gene xynB from the thermophilic bacterium *Dictyoglomus thermophilum* for expression in the

filamentous fungus *Trichoderma reesei*.
 AU Te'o, Valentino S. J.; Cziferszky, Angela E.; Bergquist, Peter L.;
 Nevalainen, K. M. Helena (1)
 CS (1) Department of Biological Sciences, Macquarie University, Sydney, NSW,
 2109 Australia
 SO FEMS Microbiology Letters, (1 September, 2000) Vol. 190, No. 1, pp. 13-19.
 print.
 ISSN: 0378-1097.
 DT Article
 LA English
 SL English

L3 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2003 ACS

AN 1997:315722 CAPLUS

DN 126:326886

TI Synthetic genes for .delta.-endotoxins optimized for expression in corn
 and the construction of insect-resistant ***plants***

IN Koziel, Michael G.; Desai, Nalini M.; Lewis, Kelly S.; Kramer, Vance C.;
 Warren, Gregory W.; Evola, Stephen V.; Crossland, Lyle D.; Wright, Martha
 S.; Merlin, Ellis J.; Launis, Karen L.; Rothstein, Steven J.; Bowman,
 Cindy G.; Dawson, John L.; Dunder, Erik M.; Pace, Gary M.; Suttie, Janet
 L.

PA Ciba-Geigy Corporation, USA

SO U.S., 214 pp., Cont.-in-part of U.S. Ser. No. 772,027, abandoned.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5625136	A	19970429	US 1992-951715	19920925
	WO 9307278	A1	19930415	WO 1992-US8476	19921005
	W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KP, KR, LK, MG, MN, MW, NO, PL, RO, RU, SD, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG				
	AU 9227952	A1	19930503	AU 1992-27952	19921005
	EP 618976	A1	19941012	EP 1992-922321	19921005
	EP 618976	B1	20020807		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, SE				
	JP 07500012	T2	19950105	JP 1992-507123	19921005
	BR 9206578	A	19950411	BR 1992-6578	19921005
	HU 68261	A2	19950628	HU 1994-960	19921005
	HU 220294	B	20011128		
	RO 110263	B1	19951130	RO 1994-539	19921005
	EP 1209237	A2	20020529	EP 2002-1453	19921005
	EP 1209237	A3	20020731		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, IE				
	EP 1213356	A2	20020612	EP 2002-1448	19921005
	EP 1213356	A3	20020619		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, IE				
	AT 221916	E	20020815	AT 1992-922321	19921005
	US 6403865	B1	20020611	US 1995-438666	19950510
	US 5859336	A	19990112	US 1995-459448	19950602
	US 6018104	A	20000125	US 1995-459595	19950602
	US 6051760	A	20000418	US 1995-460408	19950602
	US 6075185	A	20000613	US 1995-459504	19950602

	US 6121014	A	20000919	US 1995-459444	19950602
	US 6320100	B1	20011120	US 2000-547422	20000411
PRAI	US 1991-772027	B2	19911004		
	US 1990-573105	A	19900824		
	US 1991-659433	A	19910225		
	US 1992-951715	A1	19920925		
	EP 1992-922321	A3	19921005		
	WO 1992-US8476	A	19921005		
	US 1993-8374	B1	19930125		
	US 1995-459504	A1	19950602		

L3 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2003 ACS

AN 1999:621399 CAPLUS

DN 131:210415

TI Recombinant preparation of pesticide protein by expression of synthetic chimeric gene cryIA(a) from Bacillus thuringiensis kurstaki strains HD-1 and HD-73

IN Guo, Sandui; Ni, Wanchao; Xu, Qiongfang

PA Biological Tech. Research Center, China Agricultural Sciences Academy, Peop. Rep. China

SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 91 pp.
CODEN: CNXXEV

DT Patent

LA Chinese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	CN 1134981	A	19961106	CN 1995-119563	19951228
	CN 1037913	B	19980401		
PRAI	CN 1995-119563		19951228		

=> s codon(w)optimization and transform? and plant

L4 4 CODON(W) OPTIMIZATION AND TRANSFORM? AND PLANT

=> d l4 1-4 ti

L4 ANSWER 1 OF 4 AGRICOLA

TI The production of recombinant proteins in transgenic barley grains.

L4 ANSWER 2 OF 4 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

TI ***Codon*** ***optimization*** of xylanase gene xynB from the thermophilic bacterium Dictyoglomus thermophilum for expression in the filamentous fungus Trichoderma reesei.

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS

TI Transgenic ***plants*** carrying a foreign anthranilate synthase gene with increased tissue tryptophan content

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS

TI The production of recombinant proteins in transgenic barley grains

=> s codon(w)optimization and unpredictability

L5 0 CODON(W) OPTIMIZATION AND UNPREDICTABILITY

=> s codon(w)optimization and unexpected

L6 0 CODON(W) OPTIMIZATION AND UNEXPECTED

=>

---Logging off of STN---

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	44.11	44.32

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